

RECEIVED
MICH DEPT OF ENVIRONMENTAL QUALITY

JUN 26 2006

Water Division
Groundwater Section
WELL CONSTRUCTION UNIT

Village of Prescott

Village of Prescott Wastewater Treatment Facility

Septage Receiving Operating Plan

Facility location and Background

Village of Prescott Septage Receiving Facility is located at 4860 Black Road. Prescott, MI 48756 at the Villages Wastewater Treatment Facility. The Village's Wastewater Treatment Facility is continuous flow activated sludge Treatment Facility, constructed in 2005 to replace a failed recirculating filter treatment system.

The following list the Treatment Facility basis of design and current hydraulic and organic loadings:

	Basis of Design	Current
Flow	0.03 MGD	0.01 MGD
Peak Flow	0.06 MGD	0.03 MGD
BOD5	225 mg/L	85 mg/L
SS	220 mg/L	108 mg/L
NH ₃ N	35 mg/L	30 mg/L
PO ₄	6 mg/L	4.5 mg/L

The Village will utilize the unused old treatment facility tanks with a 0.06 MGD capacity to receive, screen, and aerate domestic septage prior to further treatment through the Wastewater Treatment Plant. The receiving facility will be accepting septage waste from approved and permitted septage haulers Monday through Friday from 7 AM to 4 PM and possibly some weekend hours depending on the needs or other special arrangements.

We calculate the plant can accept between 15,000 and 20,000 gallons of domestic septage a day. ~~Food Establishment Septage (FES) maybe accepted in much lesser volumes and mixed with domestic septage. Our service area will encompass a radius of 15 miles from the Treatment Facility and may extend beyond that depending on the volumes disposed of by local septage haulers. We do not intend on requiring local haulers to dump at our facility if they wish to pursue other approved means of disposal.~~

Operations

The Village President, the Village Board, or their duly authorized representative shall be the contact person for all issues in regards to this plan or septage hauling at the Villages Septage Receiving Facility and or Wastewater Treatment Facility.

Odor is not expected to be a problem. The dumpsite and treatment facility are located

more than 800 feet from a residence and the septage will be subject to dilution and aeration for odor reduction.

Sampling of septage will be done on individual septage trucks or storage tank as a grab sample or as composite sample of several individual loads on a random basis to be determined by the facility operator. Cost of sampling will be the responsibility of the septage hauler being sampled, in addition to the cost/gallon fee.

The fee structure currently established is \$0.045/gallon and is based on current O & M cost of the septage receiving and treatment facility, the debt retirement cost, and what other treatment facilities are charging. The rate maybe adjusted as required to make the operation self-supportive. Invoicing will be done monthly, from the sign in sheet.

Septage haulers will be required to abide by the following guidelines:

Prior to discharging septage to the Village's facility, apply for a "Permit to Discharge Septage" (see attached form).

Each septage hauler shall be responsible to use common sense in what is hauled to and discharged to the Village's septage disposal site.

Each septage hauler shall have liability insurance on their equipment and employees at all times when discharging septage at the Village's facility.

Prior to discharging sign in (signature of haler), document the date, time, approximate gallons, and origin of septage disposing of septage.

The septage hauler must disclose the approximate gallons and origin of septage

Only household septage or septage from an individual home maybe discharged.

Prior approval on a case by case basis is required if septage from a food establishment or small business is discharged.

No septage waste shall be discharged that are high in grease, or solids (sand, rocks, grit, plastics)

No septage shall be discharged that contain toxics, which may affect the downstream processes of the facility or which may interfere with the biological treatment process including but not limited to dissolved organic compounds or metals.

Federal regulations (40 CFR 403.5 (a (1)) prohibit non-domestic discharges of pollutants to a POTW, regardless of their mode of entry, that would cause pass through or interference. Waste hauler discharges to a POTW, fall within the scope of the General Pretreatment Regulations (40 CFR 403.8 (f) (1) and (2)). These

7

prohibitions apply not only to toxic pollutants, but also to excessive concentrations of conventional and non-conventional pollutants. In addition, if the load has originated from a categorical industry, it remains subject to EPA's categorical pretreatment standards, (i.e., it cannot be introduced into the POTW unless it has been treated to the level prescribed by the applicable categorical standards). If the hauled waste received by a POTW is a "hazardous waste" as defined under the Federal Resource Conservation and Recovery Act (RCRA), the POTW must comply with additional Federal requirements. For a complete discussion of the legal, administrative, and technical methods of controlling hauled hazardous wastes, see the EPA Guidance Manual or the Identification of Hazardous Wastes Delivered to Publicly Owned Treatment Works by Truck, Rail, or Dedicated Pipeline.

The Village of Prescott may require a Source Information List. The list shall contain information regarding the wastes from and the signature of, each waste generator. The hauler shall also sign the form, indicating that he has accepted no wastes other than those listed. Failure to accurately record every load, falsification of data, or failure to transmit the list to the plant operator prior to discharge may result in revocation of this the discharge permit.

Any waste identified as coming from commercial or industrial users, may require sampling prior to pick-up by the waste hauler and the results of that sampling submitted to the Village. The permittee must receive approval from the Village prior to pick-up and hauling of said commercial or industrial wastes.

The permittee shall retain records of all monitoring information, Source Information Lists, copies of all reports required by this permit, and records of all data pertaining to hauled loads for a period of at least three years.

Each septage hauler shall be responsible for their own house keeping duties, which includes cleaning up, all spills, rags, sand, plastics, or debris.

The facility operations staff can halt discharges for any reason at anytime.

No septage shall be discharged that has a pH lower than 5.0 or higher than 10.0 or a temperature higher than 110 deg. F.

Future Plans

The Village understands the important role that accepting domestic or FES septage plays in the effort to protect the public health and environment and are aware of the financial benefits to the community, therefore they have secured the services of an engineering firm to design a septage receiving and solids processing facility at the new Wastewater Treatment Plant.

The new septage receiving facility will included mechanical screening of the septage prior to being aerated in a 35,000 gallon underground storage tank. The screenings will

7

be washed and compacted prior to being discharged to a commercially disposed of refuse box, the aerated septage will be mechanically dewatered utilizing a volute dehydrator. Filtrate water low in organics and solids discharged from the dehydrator will be treated in the Village's new secondary Treatment Facility. The solids cake from this process will be stored on a concrete and eventual be applied to agricultural land under the plants approved biosolids program or disposed of in a landfill via a commercial non-hazardous waste hauler. The mechanical equipment, process chemicals (polymer), laboratory equipment and supplies, washed and compacted screenings, and dehydrated solids will be housed in a newly constructed heated building.

Village of Prescott

Permit to Discharge Septage

Permit #:

Date:

In accordance with the provisions of the Village of Prescott's Septage Receiving Facility "Wastewater Sewer Ordinance."

Septage Hauler (company name):

Address:

Village of Prescott

Public Notice

May 1, 2006

Village of Prescott, Draft Septage Receiving Plan

The Village of Prescott, intendeds on accepting domestic septage waste from septage haulers at the Villages Wastewater Treatment Facility.

The State of Michigan has amended Part 117 of the Septage Waste Services, of the Natural Resources and Environmental Protection act, 1994 P.A. 451, to require the Development of an Operating Plan describing the receipt of Septage.

The Operating plan includes and describes: Septage receiving location, hours of operation, types of septage waste accepted, fee structure, service area and other conditions applicable to the receipt and acceptance of septage waste.

A Copy of the Septage Operating Plan is available for review at the Village of Prescott Library, located Washington Street in the Village of Prescott, during normal library hours.

Please submit all comments on the Draft Operating Plan in writing to:

**Village of Prescott
Septage Operating Plan
P. O. Box 323
Prescott, MI 48756**



DEQ Septage Receiving Facility Checklist

Page 1

Name of Septage Receiving Facility:
Village of Prescott

DEQ Reviewer: Ebi Burutolu
Review Date: 11/15/2006

Address of Septage Receiving Facility:
4860 Black Road, P.O.Box 323
Prescott, MI 48756

Facility Contact:
Telephone Number:

Dan Robb
(989) 873-6055

The following information must be submitted in the Operation Plan
in order to receive DEQ approval:

<u>Requirement</u>	<u>Yes</u>	<u>No</u>	<u>Comments</u>
1. Location of septage RF.	X		See address
2. Hours of operation.	X		7 a.m - 4 p.m Mon - Fri. Some weekends, includes holidays
3. Categories of septage waste the RF will receive.	X		Domestic Septage
4. If food establishment septage is accepted, how is the RF ensuring that the FES meets the 1:3 ratio mandated by law? (Not OP req't.)	X		Not accepted at this time. But will consider it later by special arrangement
5. *Fee structure charged to hauler.	X		\$0.045 /gallon
6. *Service area (septage acceptance) description of RF defined in detail.	X		No specific service area. By contract only until later.
7. Notice of proposed operation plan: a) Was it mailed to county HD and legislative body of each city, village and township located in whole or in part of the service area?	X		

Septage Receiving Facility Checklist

Page 2

Name of Septage Receiving Facility:

Village of Prescott

<u>Requirement</u>	<u>Yes</u>	<u>No</u>	<u>Comments</u>
8. Notice of proposed op. plan, continued:			
b) Was it public noticed in the local newspaper?	X		Published in Ogemaw Herald. Copy of publication not submitted.
c) Was it posted on the facility website?			Did not indicate whether a website is maintained.
9. Did the notice contain the following?			
a. Statement that the RF proposed to or is currently receiving and will continue to receive septage waste for treatment.	X		
b. Statement in the notice that the proposed operating plan is available for review during normal work hours.	X		
c. A request for written comments on the proposed operation of the RF and the deadline for receipt of such comments, which shall not be less than 30 days after publication, posting, or mailing of the notice.	X		
d. Receiving facility capacity.			
I) Hydraulic capacity:	X		Not more than 6, 000 gallons/day
II) Organic capacity:			0.06 MGD (225 BOD) design basis; 0.01 MGD (85 BOD) current.
*III) Wet weather operation considerations (CSO & SSO)			Not indicated.
9. Other conditions established for the RF.			See details in OP

*5. Fee structure - must be justified and reasonable in accordance with standard accounting practices.

*6. This should be both written and illustrated on a map of the area. The service area information should include whether or not there is a county ordinance that also defines what they can or can't accept. It should also include whether or not they accept septage pumped outside of the service area.

*8.d.(III). CSO-Combined Sewer Overflow and SSO-Sanitary Sewer Overflow.



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



STEVEN E. CHESTER
DIRECTOR

May 31, 2007

Mr. Dan Robb
Village of Prescott Septage Receiving Facility
4860 Black Road
P. O. Box 323
Prescott, Michigan 48756

Dear Mr. Robb:

SUBJECT: Operating Plan Approval for Village of Prescott Septage Receiving Facility

The Septage Receiving Operating Plan that was submitted to the Department of Environmental Quality (DEQ), Water Bureau, Drinking Water and Environmental Health Section, On-Site Wastewater Unit, has been reviewed. The operating plan is approved, subject to the following conditions:

- You are approved to commence initial operation of the facility via individual contracts with licensed septage haulers. The maximum daily amount of septage will be restricted to a maximum of 6,000 gallons per day of septage waste. The restriction on the contract-only operation will remain in effect unless modification is approved by the DEQ. A geographic service area is not approved for the Prescott Receiving Facility at this time.
- Monthly operation reports shall be submitted to the DEQ that report the following parameters for influent and effluent for the facility:
 - Daily volume of septage received (gallons/day).
 - Flow to treatment system (gallons/day).
 - pH, dissolved oxygen (DO), Temperature, biochemical oxygen demand (BOD), total suspended solids (TSS), total phosphorous, ammonia nitrogen, nitrite and nitrate for influent and effluent.

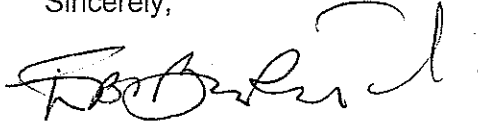
This information is necessary for us to continue to review your operation to make sure that it is meeting the minimum acceptable standards for applicable parameters. The monitoring data will also be important for consideration of any future requests to increase allowable capacity for septage receiving.

It is expected that the receiving facilities shall operate in accordance with the approved plan. You may amend your operational plan after the approval process. If you intend to make any changes to any part of the operational plan, please notify us in writing at least thirty (30) days prior to the proposed date for implementation.

Mr. Robb
May 31, 2007
Page 2

Please feel free to contact me if there any questions regarding this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ebi Burutolu', with a stylized flourish at the end.

Ebi Burutolu
On-Site Wastewater Unit
Drinking Water and Environmental Health Section
Lansing Operations Division
Water Bureau
517-241-4598

eb:ckp

cc: Mr. Douglas Getty, District Health Department No. 2, Ogemaw County
Mr. Richard Falardeau, DEQ
Mr. Jon Bloemker, DEQ
Mr. Thomas McDowell, DEQ